

CLASS 296, LAND VEHICLES: BODIES AND TOPS

SECTION I - CLASS DEFINITION

This class includes patents relating to that portion of a land vehicle, secured to the running-gear thereof, which operates as a receptacle or load carrier, together with the top or cover therefor.

SECTION II - LINES WITH OTHER CLASSES AND WITHIN THIS CLASS

This class is subordinate to Class 280, Land-Vehicles, and is distinguished therefrom as set forth in the above definition.

Patents for bodies or load carriers for special purposes will be found in this class unless there exist other devices for the same purposes, in which devices a running gear is an essential feature, in which latter instance they have been placed in Class 280, Land Vehicles, subclasses 4, 8+ or unless such bodies are for such purposes as would place them in a more specialized class, as Classes 180, Motor Vehicles; 212, Traversing Hoists; 298, Land Vehicles: Dumping; or 414, Material Or Article Handling.

Patents for attachments for vehicles will be found in this class only when their functions limit them for use with vehicle bodies and tops; otherwise they will be found in Class 280, Land Vehicles, unless they are for such purposes as would place them in a more specialized class, as Classes 180, Motor Vehicles; 212, Traversing Hoists; 224, Package and Article Carriers; or 414 Material or Article Handling.

Seats in vehicles will be found in this class only when some part of the body is modified to cooperate with the seats; otherwise they are classified in Class 297, Chairs and Seats.

A door (access barrier or closure) in a vehicle body is found in this class (Class 296) when an accessory (e.g., trim, armrest, visor, etc.) or a feature correlated to a vehicle body is included. In the absence of such defining accessory or feature, a singular door structure is classified elsewhere. However, the feature of plural doors in a vehicle body is provided in this class.

SECTION III - REFERENCES TO OTHER CLASSES

SEE OR SEARCH CLASS:

- 15, Brushing, Scrubbing, and General Cleaning, subclasses 250.001+ for an optical-member-attachable cleaner (e.g., windshield wiper, etc.).
- 49, Movable or Removable Closures, appropriate subclasses for particular car door structure when no defining accessory or feature correlated to a vehicle body is present.
- 52, Static Structures (e.g., Buildings), appropriate subclasses for enclosures and related components of more general application. In general a box-like structure or a related component thereof is in Class 52 even though defined or disclosed as used in a vehicle. Also a vehicle having means, e.g., an earth anchored brace or guy, to convert a vehicle to an in situ structure is also in Class 52.
- 62, Refrigeration, subclasses 239+ for refrigeration means combined with a vehicle feature.
- 105, Railway Rolling-Stock, for vehicle bodies adapted for use on railways.
- 135, Tent, Canopy, Umbrella, or Cane, subclasses 88.01+ for sun and rain protectors adapted for use with the type of vehicle indicated. Where there is a plurality of independent supports or a bow construction hinged at each end upon the body, such patents will be found in this class (296).
- 160, Flexible or Portable Closure, Partition, or Panel, for (1) panel units in which a flexible fabric or other flexible sheet material forms the panel portion, (2) panel units formed of plural strips, slats, or panels, interconnected for relative motion (excluding those connected only by a common operator or mounted only in a common frame or on a common support), (3) panel units in the form of portable partitions, and (4) parts (1)-(3) combined with each other or with rigid closures or other panels. Such devices, even though disclosed as parts of land vehicle bodies or tops have been placed in Class 160 (with only the exceptions set forth below and in the notes to particular subclasses in Class 296). These exceptions are: (A) where organized to form a vehicle body enclosure, claimed in combination with particular additional features of vehicle body structure (as connections between vehicle top or bottom and sides, body bracing, etc.) or in a particular relation to the vehicle other than merely in a vehicle opening and (B) claimed in combination with vehicle accessories (as windshield wipers, seats, steps,

- classified under such titles in other subclasses of this class.
- 14** Where the sides are pivoted to position either in a vertical plane or at an angle to a vertical plane.
- 15** Specially adapted for carrying threshed or loose grain.
- 16** Wagons for carrying the dead.
- 17** Provision is made for carrying both passengers and the dead.
- 18** Means for securing the coffin against movement relative to the hearse.
- 19** Wagons for moving sick or wounded persons.
- 20** Where the load-carrier is in the form of a stretcher.
- SEE OR SEARCH CLASS:
5, Beds, subclasses 83.1+ for hand-carried stretchers.
- 21** Bodies specially adapted for advertising and displaying goods for sale.
- 22** Specially adapted for the preparation and sale of food.
- SEE OR SEARCH CLASS:
126, Stoves and Furnaces, for wagons including cooking appliances.
- 24.1 Enclosed compartment:**
This subclass is indented under subclass 1.1. Subject matter including bodies formed of one or more enclosed compartments where the invention relates to the organization as an entity or to features not specifically found in other subclasses of this class.
- (1) Note. Vehicles formed with enclosed compartments for some special purposes will be found in the appropriately named subclasses (16 to 22, inclusive) of this class.
- (2) Note. Elements of a vehicle which may also be elements of enclosed-compartment vehicles--as doors, windows, tops, curtains, storm-front screens, etc.,--are
- 24.2 For an animal:**
This subclass is indented under subclass 24.1. Subject matter particularly adapted for transporting an animal.
- 25** Where the bottom of the body is on two or more different levels.
- SEE OR SEARCH CLASS:
280, Land Vehicles, subclass 2.
410, Freight Accommodation on Freight Carrier, subclass 45 for a dropped-center freight carrier to accommodate a massive dimension (height) of an article of freight.
- 26.01 Variable capacity of body:**
This subclass is indented under subclass 1.1. Subject matter wherein the interior space or load carrying ability of the land vehicle receptacle or load carrier is altered by changing a physical dimension such as a length, width, or height of the receptacle or load carrier (a) by a movement of a portion of the body to another location relative to the remainder thereof or (b) by adding or removing a portion of the body relative to the receptacle or load carrier.
- (1) Note. An actuation and locking device, per se, is not broken out in the variable capacity subclasses below. Vehicles collapsible to non-use position are not considered variable capacity vehicles.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
193+, for a preassembled body portion.
- SEE OR SEARCH CLASS:
280, Land Vehicles, subclasses 638+ for lengthening the running-gear of a vehicle.
- 26.02 By changing height and length or width:**
This subclass is indented under subclass 26.01. Subject matter wherein the capacity of the body is altered by changing the vertical extent and one or both of the longitudinal or transverse extent of the receptacle or load carrier.

26.03 By changing length and width:

This subclass is indented under subclass 26.01. Subject matter wherein the capacity of the body is altered by changing both the longitudinal and transverse extent of the receptacle or load carrier.

26.04 By changing height:

This subclass is indented under subclass 26.01. Subject matter wherein the capacity of the body is altered by changing the vertical extent of the receptacle or load carrier (a) by the movement of the portion of the body to another location relative to the remainder thereof or (b) by adding or removing the portion of the body relative to the receptacle or load carrier.

26.05 Slidably guided:

This subclass is indented under subclass 26.04. Subject matter wherein the movement of the portion of the body is directed by a smooth continuous contact of tracks or telescoping struts or linear guides or similar means.

26.06 Pivotally supported:

This subclass is indented under subclass 26.04. Subject matter wherein the movement of the portion of the body is supported by a hinged connection.

26.07 Via hinged link:

This subclass is indented under subclass 26.06. Subject matter wherein the hinged connection comprises a strut or panel with multiple hinge axes.

26.08 By changing length:

This subclass is indented under subclass 26.01. Subject matter wherein the capacity of the body is altered by changing the longitudinal extent of the receptacle or load carrier (a) by the movement of the portion of the body to another location relative to the remainder thereof or (b) by adding or removing the portion of the body relative to the receptacle or load carrier.

26.09 Slidably guided:

This subclass is indented under subclass 26.08. Subject matter wherein the movement of the portion of the body is directed by a smooth continuous contact of tracks or telescoping struts or linear guides or similar means.

26.1 Having pivotal means:

This subclass is indented under subclass 26.09. Subject matter wherein (a) the sliding engagement includes a hinge connection or (b) one portion of the body slides and another portion of the body pivots.

26.11 Pivotally supported:

This subclass is indented under subclass 26.08. Subject matter wherein the movement of the portion of the body is supported by a hinged connection.

26.12 By changing width:

This subclass is indented under subclass 26.01. Subject matter wherein the capacity of the body is altered by changing the transverse extent of the receptacle or load carrier (a) by the movement of the portion of the body to another location relative to the remainder thereof or (b) by adding or removing the portion of the body relative to the receptacle or load carrier.

26.13 Slidably guided:

This subclass is indented under subclass 26.12. Subject matter wherein the movement of the portion of the body is directed by a smooth continuous contact of tracks or telescoping struts or linear guides.

26.14 Having pivotal means:

This subclass is indented under subclass 26.13. Subject matter wherein (a) the smooth continuous contact includes a hinge connection or (b) one portion of the body slides and another portion of the body pivots.

26.15 Pivotally supported:

This subclass is indented under subclass 26.12. Subject matter wherein the movement of the portion of the body is supported by a hinged connection.

29 Relating to inventions in the corners or other joints of the frame.

30 Provided with metallic means for reinforcing the corners or joints.

32 Removable boards adapted to be placed edge to edge with the sides of a wagon box to increase the vertical height of the sides of the box.

33 Acting as a baffle or guide to direct the load into the box, especially where articles or materials are pitched or thrown into the box.

34 Means for spacing the top boards relative to the side boards.

35.1 Body securing device:

This subclass is indented under subclass 1.1. Device for securing the vehicle body to the running chassis frame.

35.2 Having occupant safety feature (e.g., means to absorb collision impact, etc.):

This subclass is indented under subclass 35.1. Device wherein the body securing device includes means to protect an occupant of the vehicle upon accidental collision.

35.3 Removable body:

This subclass is indented under subclass 35.1. Device wherein the body securing means allows the body or passenger compartment to be removable from the running gear or chassis frame as a unit.

35.4 Baby carriage (e.g., perambulator, etc.):

This subclass is indented under subclass 35.1. Device wherein the body is designed in such a manner so as to accommodate an infant in a sitting or prone position.

36 Means for securing the top or side boards in operative position.

37.1 This subclass is indented under subclass 1.1. Apparatus wherein there is provided a compartment or receiver formed in the body or top of a vehicle for the storage or receipt of articles or debris, the compartment or receiver being auxiliary to the main purpose of the vehicle.

SEE OR SEARCH CLASS:

224, Package and Article Carriers, sub-classes 400+, 311, 312, 321, and cross-reference art collection 928 for vehicle mounted litter and debris receivers attached to vehicle structure as an "add on" rather than a "built in" feature classifiable in this class (296).

37.11 This subclass is indented under subclass 37.9. Apparatus wherein the compartment or receiver is provided with exiting means by which the smoker's refuse is removed.

37.12 This subclass is indented under subclass 37.8. Apparatus wherein the compartment or receiver is mounted on or in the instrument panel of the vehicle.

SEE OR SEARCH CLASS:

224, Package and Article Carriers, subclass 483 for a device for carrying an article attached to the dashboard of a vehicle, wherein the carrier is an add on rather than built into the body or top of the vehicle.

37.13 This subclass is indented under subclass 37.8. Apparatus wherein the compartment or receiver is mounted on or in an upright side body portion of the vehicle.

SEE OR SEARCH CLASS:

224, Package and Article Carriers, subclass 482 for a vehicle mounted article carrier attached to the window or window frame of the vehicle as a add on rather than built into the body or top of the vehicle.

37.14 This subclass is indented under subclass 37.8. Apparatus wherein the compartment or receiver is mounted in or below the level of the floor of the vehicle.

37.15 This subclass is indented under subclass 37.8. Apparatus wherein the compartment or receiver is either situated beneath or is connected to any part of a seat of the vehicle.

37.16 This subclass is indented under subclass 37.8. Apparatus wherein the compartment or receiver is positioned at the rear of a seat, access thereto being made by either moving the back of the seat to an alternate position or by an entrance-way in a horizontal ledge at the rear of and adjacent the top of the seat back.

37.2 This subclass is indented under subclass 37.1. Compartments designed or constructed to receive wheels or tires.

SEE OR SEARCH CLASS:

- 224, Package and Article Carriers, for wheel carriers attached to a vehicle not involving any modification of the vehicle structure; subclass 42.12 for vehicle attached wheel or tire carriers.
- 280, Land Vehicles, for modification of a vehicle mud guard, i.e., fender, to provide a tire or wheel carrying portion; subclass 152.05 for fenders modified to receive and support a wheel or tire.

- 37.3** This subclass is indented under subclass 37.1. Apparatus wherein the vehicle compartment or receiver comprises a releasable or removable structure or housing to enclose or encase a vehicle spare tire or a portion thereof.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 37.2, for a spare tire compartment or receiving well on a vehicle body combined with a tire cover.

SEE OR SEARCH CLASS:

- 206, Special Receptacle or Package, subclasses 304+ for a receptacle for a tire.
- 280, Land Vehicles, subclass 152.05 for fender wells for wheels or tires and see the search notes thereunder.

- 37.4** This subclass is indented under subclass 37.1. Apparatus wherein the compartment or receiver is formed in a baby carriage, go-cart, or like vehicle.

SEE OR SEARCH CLASS:

- 224, Package and Article Carriers, subclass 409 for an article carrier attached to a stroller, wherein the carrier is an add on rather than built into the body or top of the vehicle.

- 37.5** This subclass is indented under subclass 37.1. Apparatus wherein the compartment or receiver comprises a plurality of relatively movable parts, the parts being movable from a collapsed arrangement of parts to a load receiving compartment.

- 37.6** This subclass is indented under subclass 37.1. Apparatus wherein the vehicle having the compartment or receiver thereon is a conveyance

used mainly for hauling goods and material other than people.

SEE OR SEARCH CLASS:

- 224, Package and Article Carriers, subclass 402 for a device for carrying an article attached to a pickup truck, wherein the carrier is an add on rather than built into the body or top of the vehicle.

- 37.7** This subclass is indented under subclass 37.1. Apparatus in which the compartment or receiver is either secured to or is formed in part by the top or other generally horizontal covering panel spanning the width of the vehicle.

- 37.8** This subclass is indented under subclass 37.1. Apparatus wherein the compartment or receiver opens directly into the vehicle passenger compartment.

- 37.9** This subclass is indented under subclass 37.8. Apparatus wherein the compartment or receiver is provided especially to receive smoker's refuse.

SEE OR SEARCH CLASS:

- 131, Tobacco, subclasses 329+ for vehicle mounted ash trays in which is claimed a smoking feature (e.g., cigarette rest, snuffer, etc.) and see the notes in the definition to subclass 231.

- 38** Metal pans located between the load and running-gear to catch a liquid dripping from the load.

SEE OR SEARCH CLASS:

- 220, Receptacles, subclasses 571+ for a drip or drain pan, per se.

39.1 Lining:

This subclass is indented under subclass 1.1. Subject matter adapted to cover at least a portion of the body.

- (1) Note. Linings included herein are generally for the purpose of protecting components from damage, for insulating or for sealing against leakage, etc.

- 39.2 Open truck bed:**
This subclass is indented under subclass 39.1. Subject matter for covering the open bed portion of the truck body.
- 39.3 Heat or sound insulating:**
This subclass is indented under subclass 39.1. Subject matter which is particularly adapted to reduce an undesirable transfer of heat or sound.
- 40** Devices extending from one side of a wagon-box to the other to prevent spreading of the sides.
- 51** Where in a single end-gate there are combined two or more well-known types of end-gates.
- 52** Those that are removable by raising in a vertical direction.
- 53** Those that are rearwardly removable.
- 41** Metal strips and cleats secured to the inner surface of a wagon-box to prevent wear.
- 55** Consisting of pivotally-connected sections.
- 42** Devices for preventing longitudinal movement of a box type of wagon-body relative to the bolster or standards of a vehicle running-gear.
- 56** Hinged or pivoted to swing in an upward direction to open.
- 57.1 Downwardly swinging:**
This subclass is indented under subclass 50. Subject matter in which the end gate is hinged or pivoted to swing in a downward direction to open.
- 58** Provided with side cleats and operating, when in an open position, to hold the load and give an opening for the use of a shovel or scoop to commence unloading.
- 43** Removable stakes and sockets therefor adapted to hold the load in place and usually used with platform-trucks.
- 50** This subclass is indented under subclass 1.1. Subject matter including removable or swinging boards adapted to close the rear end of a box-wagon.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:**
106,
- SEE OR SEARCH CLASS:**
160, Flexible or Portable Closure, Partition, or Panel, appropriate subclasses for end gates as set forth in the line note in the main class definition in this class (296).
- SEE OR SEARCH THIS CLASS, SUB-CLASS:**
50, and indented subclasses, where such devices are shown in connection with an end-gate.
- SEE OR SEARCH CLASS:**
160, Flexible or Portable Closure, Partition, or Panel, particularly subclass 216 for end gates made of slidably interconnected sections to make them removable and subclass 222 and indented subclasses, for the structure of such units, per se.
- SEE OR SEARCH CLASS:**
160, Flexible or Portable Closure, Partition, or Panel, particularly subclass 217 for pivotally interconnected sections mounted for removal from a support and subclass 233 and indented subclasses for such units, per se, with means to prevent relative pivotal motion.
- SEE OR SEARCH CLASS:**
105, Railway Rolling Stock, subclass 380 and indented subclasses.
280, Land Vehicles, subclass 143 and indented subclasses.

- 59** Easily removed from the wagon-body.
- 60** Secured to a frame or to clips that are easily removable from the wagon-box.
- 61** Also used as a loading-chute.
- 62** Also used as steps.
- 63** This subclass is indented under subclass 1.1. Subject matter in which there is some modification of the body to cooperate with the seat or seats.

SEE OR SEARCH CLASS:

- 280, Land Vehicles, subclass 32.5 for vehicles comprising a running gear and seats for persons engaged in manual labor adjacent the ground.
- 297, Chairs and Seats, appropriate subclasses for chair or seat of general utility.

- 64** Arrangements of seats relative to other seats or to other parts of the vehicle-body.

65.01 Movable seat or backrest:

This subclass is indented under subclass 63. Subject matter wherein the seat or a portion of the seat which supports the back of an occupant is displaceable relative to the body of the vehicle.

SEE OR SEARCH CLASS:

- 297, Chairs and Seats, subclasses 311+ for a movable bottom of the seat and subclasses 353+ for a movable back of the seat.

65.02 Resilient support:

This subclass is indented under subclass 65.01. Subject matter wherein the seat or backrest is mounted to the vehicle via a means which reduces a vibration or shock load to the seat or backrest during a vehicle operation.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 189, for body structural means deformable to absorb the shock of an impact.

65.03 Seat securing device permitting seat removal and replacement:

This subclass is indented under subclass 65.01. Subject matter wherein the seat is anchored to the body of the vehicle by a means which allows a repeated assembly or disassembly of the seat.

- (1) Note. Mere bolting means used as securing means is not included in this subclass.

SEE OR SEARCH CLASS:

- 248, Supports, subclass 503.1 for a seat hold-down.
- 292, Closure Fasteners, appropriate subclass for a closure fastener.

65.04 Wheelchair:

This subclass is indented under subclass 65.03. Subject matter wherein the seat is mounted on wheels for the use of the sick or disabled.

SEE OR SEARCH CLASS:

- 280, Land Vehicles, subclass 250.1 for wheelchairs.
- 410, Freight Accommodation On Freight Carrier, subclasses 3+ for a wheelchair.

65.05 Hinged seat:

This subclass is indented under subclass 65.01. Subject matter including a device which allows a turning or pivoting movement of the seat relative to the body.

SEE OR SEARCH CLASS:

- 297, Chairs and seats, subclasses 313+ for a tilting seat bottom, subclasses 354+ for a tiltable seat back.

65.06 Movable about vertical axis:

This subclass is indented under subclass 65.05. Subject matter wherein the seat rotates in a substantially horizontal plane about an axis normal to the plane.

SEE OR SEARCH CLASS:

- 248, Supports, subclasses 415+ for a rotatable standard-type stand, and subclass 425 for a rotatable stand with an additional horizontal movement.

- 297, Chairs and seats, subclasses 344.21+ for a seat bottom and back movable about a vertical axis.
- 65.07 Having actuator:**
This subclass is indented under subclass 65.06. Subject matter wherein the movement of the seat is activated by a device (a) which produces a force (e.g., a motor or spring) or (b) which enhances the movement (e.g., a lever).
- 65.08 Having actuator:**
This subclass is indented under subclass 65.05. Subject matter wherein the movement of the seat is activated by a device (a) which produces a force (e.g., a motor or spring) or (b) which enhances the movement (e.g., a lever).
- 65.09 Including hinged backrest:**
This subclass is indented under subclass 65.05. Subject matter wherein a portion of the seat which supports the back of an occupant includes a device which allows the turning or pivoting movement of the portion relative to the body.
- 65.11 Lateral movement:**
This subclass is indented under subclass 65.01. Subject matter including a device which permits the seat to move towards a side of the vehicle.
- 65.12 Having actuator:**
This subclass is indented under subclass 65.11. Subject matter wherein the lateral movement of the seat is activated by a device (a) which produces a force (e.g., a motor or spring) or (b) which enhances the movement (e.g., a lever).
- 65.13 Having rail:**
This subclass is indented under subclass 65.01. Subject matter wherein the movement of the seat is facilitated by a sliding engagement of tracks or linear guides or similar means.
- SEE OR SEARCH CLASS:
248, Supports, subclass 429 for a horizontal slide or guide.
- 65.14 Bearing:**
This subclass is indented under subclass 65.13. Subject matter wherein the rail includes a device which reduces friction of the sliding engagement of the tracks or linear guides or similar means.
- SEE OR SEARCH CLASS:
248, Supports, subclass 430 for a ball or roller mounted horizontal slide or guide.
- 65.15 Including actuator:**
This subclass is indented under subclass 65.13. Subject matter wherein the sliding engagement of the tracks or linear guides is activated by a device (a) which produces a force (e.g., a motor or spring) or (b) which enhances the movement (e.g., a lever).
- 65.16 Hinged backrest:**
This subclass is indented under subclass 65.01. Subject matter wherein a portion of the seat which supports the back of an occupant includes a device which allows turning or pivoting movement of the portion relative to the body.
- SEE OR SEARCH CLASS:
297, Chairs and Seats, subclasses 353+ for a movable seat back.
- 65.17 Having actuator:**
This subclass is indented under subclass 65.16. Subject matter wherein the turning or pivoting movement of the backrest is activated by a device (a) which produces a force (e.g., a motor or spring) or (b) which enhances the movement (e.g., a lever).
- 65.18 Having actuator:**
This subclass is indented under subclass 65.01. Subject matter wherein the movement of the seat is activated by a device (a) which produces a force (e.g., a motor or spring) or (b) which enhances the movement (e.g., a lever).
- 66** Where a part or parts of the seat form in one position a part of the contour or structure of the body.
- 67** Having attached to the shifting seat a panel or part of the side of the body, which shifts with the seat to provide an opening for entrance or exit of persons from the vehicle.
- 68** Operated by the opening or closing of the door or end-gate to shift the seat.

68.1 With safety feature:

This subclass is indented under subclass 65.01. Subject matter which include a safety feature to minimize crash injuries.

69 Convertible to other devices for use with a vehicle.

70 The front of a vehicle body.

71 Rails to protect the edge of the dashboards, sometimes provided with handles; also handles, per se.

SEE OR SEARCH CLASS:

280, Land Vehicles, subclass 181.

72 Devices for securing the dashboard to a vehicle-body.

73 Where the securing device permits pivoting of the dash-board.

74 Devices for increasing the height of the dash-board.

75 Devices on which to rest the feet.

SEE OR SEARCH CLASS:

297, Chairs and Seats, subclasses 423.1+ for a footrest with a chair or seat and not involving significant vehicle body structure.

76 Closures for that portion of a vehicle-body to the rear of the seats.

77 Devices for holding or securing a lap-robe in an operative position or against loss or theft.

SEE OR SEARCH CLASS:

160, Flexible or Portable Closure, Partition, or Panel, subclass 23.1 and indented subclasses and subclass 238 and indented subclasses, for lap robes wound on rollers where neither the relation to the vehicle nor a combination with other vehicle features is claimed.

77.1 Storm-front shield, apron, or robe:

This subclass is indented under subclass 1.1. Subject matter for protecting the occupants of vehicles from storm or wind coming from the direction in which the vehicle is moving.

SEE OR SEARCH CLASS:

160, Flexible or Portable Closure, Partition, or Panel, appropriate subclasses, for land vehicle storm-front shields, aprons, and robes, as set forth in the line note in the main class definition of this class (296). Windshields not in the form of flexible or portable panels have been placed in Class 160 (see particularly subclass 48 and indented subclasses and subclass 90 and indented subclasses) only when in combination with a flexible or portable panel.

78.1 This subclass is indented under subclass 77.1. Shields especially designed for use with velocipedes.

79 Windowed panels secured to the forward part of the top and adapted to protect the upper part of the occupant.

80 Having a flexible apron secured to the lower part of the panel and usually secured to the dashboard.

81 Flexible coverings secured to the front of the vehicle and also forming a direct covering for the occupants thereof.

82 Devices secured to the front of a vehicle adapted to extend to partially protect the occupants of a vehicle.

83 Flexible curtains adapted to entirely close the open space at the forward end of a vehicle provided with a top.

84.1 Windshield:

This subclass is indented under subclass 77.1. Subject matter comprising transparent storm or wind protecting device secured to the body of a vehicle and in front of a vehicle seat.

- SEE OR SEARCH THIS CLASS, SUB-CLASS:
200, and 201, for vehicle windows positioned laterally or to the rear of a vehicle seat.
- 85** Especially adapted for protecting the occupants of a rear seat of a vehicle.
- 86** Consisting of at least two panels, one or more of which is pivoted to swing on horizontal pivots.
- 87** Where the pivots hinge one panel to another at the edges of the panels.
- 88** Two or more panels connected by a link, the link being hinged to each of the panels.
- 89** The shield may consist of a single panel which can be slid vertically or of a plurality of panels one or more of which can be slid vertically.
- 90** Consisting of a single panel.
- 91** Devices for deflecting an air-current over the heads of the occupants of the vehicle, the deflected current acting as a protection by deflecting other currents of air.
- 92** Improvements in hinger for wind-shields.
- 93** Strips for closing the spaces between panels or between the wind-shield and the vehicle body or top.
- SEE OR SEARCH CLASS:
49, Movable or Removable Closures, subclasses 475.1+ for a closure seal, e.g., striker gasket or weather-strip, and see the search notes thereto for the loci of other seals.
160, Flexible or Portable Closure, Partition, or Panel, subclasses 40+.
277, Seal for a Joint or Juncture, for a generic sealing means or process, cross-reference art collection 921 for a closure or weatherstrip seal.
- 95.1 Auxiliary protector:**
This subclass is indented under subclass 84.1. Subject matter associated with a windshield and mounted exteriorly thereto which shields at least a part of the windshield against the accumulation of material thereon (e.g., rain, snow, frost, insects, etc.).
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
96.15+, for devices which remove debris from a windshield after it has accumulated thereon.
96.18, for clear vision slots in windshields.
- SEE OR SEARCH CLASS:
160, Flexible or Portable Closure, Partition, or Panel, appropriate subclasses, for auxiliary protectors in the form of flexible and portable panels, as set forth in the line note to the main class definition of this class (296). See particularly subclasses 48+ for windshield and awning type combinations, subclasses 90+ for windshields combined with other forms of flexible or portable panels and subclasses 368.1+ for pivoted visors of the flexible and portable panel type.
- 96** Where the protector is panel adjustably pivoted to the wind-shield or the forward end of the top.
- 96.11 Auxiliary windscreen (e.g., vent window, etc.):**
This subclass is indented under subclass 84.1. Subject matter associated with the lateral edges of a windshield which either further protects the vehicle occupant from storm or wind coming from the direction in which the vehicle is moving or allow control of incoming wind for ventilation purposes.
- 96.12 Full vision (i.e., wraparound):**
This subclass is indented under subclass 84.1. Subject matter wherein opaque members such as roof supporting corner posts are eliminated and the transparency of the windshield is extended laterally towards the sides of the vehicle to increase horizontal arc of forward vision.
- 96.13 Movably mounted to provide access:**
This subclass is indented under subclass 96.12. Subject matter wherein the windshield must be displaced from its normal operative position to allow entry and exit from the vehicle.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

146.8, for an access barrier or closure which extends transversely of the vehicle front or rear in a closed position.

96.14 Multiple layered with airspace therebetween:

This subclass is indented under subclass 84.1. Subject matter wherein the windshield itself has plural layers, at least two layers of which are separated by a gaseous medium.

(1) Note. This is usually done to prevent frosting or fogging of the windshield, or as a thermal insulation.

96.15 Cleaner:

This subclass is indented under subclass 84.1. Subject matter combined with a device which removes accumulated material (e.g., ice, rain, snow, dirt, etc.) from the windshield.

SEE OR SEARCH CLASS:

15, Brushing, Scrubbing, and General Cleaning, subclasses 250.001+ for an optical-member-attachable cleaner (e.g., windshield wiper, etc.).

96.16 Rotating windshield:

This subclass is indented under subclass 96.15. Subject matter wherein at least a part of the windshield moves about an arcuate path to aid in the removal of accumulated material therefrom.

(1) Note. Windshields which spin to remove material by centrifugal force will be found here.

96.17 With specific motor mounting for cleaner:

This subclass is indented under subclass 96.15. Subject matter wherein the placement of support of the motor which drives the cleaner is of particular significance.

96.18 Clear vision slot:

This subclass is indented under subclass 84.1. Subject matter wherein a gap is provided in the windshield through which an occupant can view the roadway under adverse weather conditions.

96.19 Glare reducing:

This subclass is indented under subclass 84.1. Subject matter wherein at least a part of the windshield itself is made of a material which optically screens harsh light from either the interior or exterior of the vehicle.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

97.1+, for glare screens which are separate and distinct from the windshield itself.

96.2 Pivoted about horizontal axis:

This subclass is indented under subclass 84.1. Subject matter wherein the windshield is rotatable about an axis which extends in a direction transverse to the direction of vehicle movement.

96.21 With specific support structure:

This subclass is indented under subclass 84.1. Subject matter wherein particular significance is attributed to the manner in which the windshield is supported by the vehicle.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

201, for supporting frames for a vehicle window other than a windshield.

96.22 Releasable upon impact:

This subclass is indented under subclass 96.21. Subject matter wherein the support structure for the windshield is arranged so as to give way under a significant force before the windshield itself would shatter.

SEE OR SEARCH CLASS:

280, Land Vehicles, subclasses 728.1+ for "air bags" and subclasses 748+ for other devices which are designed to protect a vehicle occupant from injury should the vehicle sharply decelerate or collide with another object.

97.1 Glare screen or visor:

This subclass is indented under subclass 1.1. Subject matter comprising a means mounted, usually in combination with a windshield to protect the driver of a vehicle from the glare of an approaching light, usually shown in combination with a windshield.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 95.1, for an externally mounted glare screen or visor located outside the passenger compartment and in front of the windshield which would inherently protect the windshield.
- 152, for glare screens or visors associated with side and rear windows.

SEE OR SEARCH CLASS:

- 160, Flexible or Portable Closure, Partition, or Panel, appropriate subclasses, for glare screens, as set forth in the line note in the main class definition of this class (296); and also glare screens in the form of rigid panels claimed in combination with a flexible or portable panel, which may be an additional glare screen, except (a) where the optical properties of the glare screen are claimed, (b) where the specific location of the glare screen with respect to the car or driver is claimed (the mere recitation that it is mounted on the windshield not being considered a specific location), and (c) where the combination with other vehicle structure (such as the dashboard, etc.) is claimed.
- 248, Supports, subclasses 200+ for mere brackets for supporting a glare screen.
- 359, Optics: Systems (Including Communication) and Elements, subclasses 603+ for glare screens combined with a mirror.

97.11 Allowing slidable movement relative to support:

This subclass is indented under subclass 97.9. Subject matter in which the visor or glare screen are slidably movable with respect to the support.

97.12 For mounting to pivotable arm:

This subclass is indented under subclass 97.9. Subject matter in which the visor or glare screen is attached to a pivotable arm.

97.13 Arm having specific pivot structure:

This subclass is indented under subclass 97.12. Subject matter in which the pivot mechanism, usually at the end of the support arm, is specifically set forth.

97.2 With specific structure or properties for diffusing or reflecting light:

This subclass is indented under subclass 97.1. Subject matter comprising means to control the light moving toward a viewer's eyes by changing its direction or reducing its intensity by absorbing, transmitting away, or reflecting part of the light.

- (1) Note. Mere naming of glare screen as being translucent, colored, etc., not considered significant for placement in this subclass.

97.21 Baby carriage or child's wagon:

This subclass is indented under subclass 1.1. Subject matter in which the vehicle body is of the baby carriage, perambulator or child's wagon type.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

- 35.4, for body securing devices for baby carriages.
- 37.4, for auxiliary article compartment on child's vehicle.

SEE OR SEARCH CLASS:

- 280, Land Vehicles, subclasses 47.38+, for hand propelled baby carriages and subclasses 647+, for foldable baby carriages.

97.22 Access cover for gas tank filler pipe:

This subclass is indented under subclass 1.1. Subject matter in which a cover portion of the vehicle body is provided to allow access to the gas tank filler pipe.

- (1) Note. Cover often includes attached license plate.

SEE OR SEARCH CLASS:

- 40, Card, Picture, or Sign Exhibiting, subclasses 200+ for access cover with details of license plate support structure.

97.23 Floor mat with vehicle body feature:

This subclass is indented under subclass 1.1. Subject matter comprising structure for covering the floor of a vehicle which cooperates with vehicle body structure.

SEE OR SEARCH CLASS:

428, Stock Material or Miscellaneous Articles, subclass 138, 166 and 167 for mats, per se.

97.3 Apertured:

This subclass is indented under subclass 97.2. Subject matter in which perforations diffuse light passing through the glare reducing means.

97.4 With actuating means for moving:

This subclass is indented under subclass 97.1. Subject matter in which the glare reducing means is moved into a desired position by relatively movable force transmitting parts.

97.5 Combined or convertible:

This subclass is indented under subclass 97.1. Subject matter claimed in combination with features other than visor or glare screen; or, having means capable of structural rearrangement or modification to provide a device of some other description.

97.6 Having detachable auxiliary visor or glare screen cooperating therewith:

This subclass is indented under subclass 97.1. Subject matter in which an auxiliary visor or glare screen is added to the existing visor or glare screen to further increase protection of vehicle occupants from unwanted glare.

97.7 Mounted or detachably supported on dashboard, steering column, or windshield:

This subclass is indented under subclass 97.1. Subject matter in which the glare screen is mounted or detachably supported on the dashboard area, steering column or windshield.

- (1) Note. Glare screens or visors detachably supported on frame of windshield are included herein.

97.8 Having foldable, extensible, or rollable body:

This subclass is indented under subclass 97.1. Subject matter in which the visor or glare screen covers a greater area by unfolding, by extending sections included as part thereof or by unrolling.

97.9 With specific mounting means therefor:

This subclass is indented under subclass 97.1. Subject matter wherein particular significance is attributed to the manner in which the visor or glare screen is supported.

98 Consisting of a support on which a flexible cover is adapted to be stretched and a roller on which the cover is adapted to be rolled when not in use. The support may be either permanent in position or removable or collapsible.

SEE OR SEARCH THIS CLASS, SUBCLASS:

219, for a land vehicle roof having an opening therein and a rollable closure therefor.

SEE OR SEARCH CLASS:

160, Flexible or Portable Closure, Partition, or Panel, subclass 238 and indented subclasses.

99.1 Extension:

This subclass is indented under the class definition. Tops provided with means for increasing the dimension of the said tops.

100.01 Load cover:

This subclass is indented under the class definition. Subject matter wherein a member is provided for (a) protecting the freight-load or (b) enclosing the open top of the load-carrier and wherein the member functions as the cover for the freight-load.

SEE OR SEARCH CLASS:

105, Railway Rolling Stock, subclasses 377.01+ for movable railway freight covers.

100.02 Rigid:

This subclass is indented under subclass 100.01. Subject matter wherein the cover is dimensionally invariant.

- (1) Note. The cover is constructed of a rigid material or with a peripheral rigid frame.

100.03 Slidable:

This subclass is indented under subclass 100.02. Subject matter wherein the cover moves by a smooth continuous contact of tracks or telescoping struts or linear guides or similar means.

SEE OR SEARCH CLASS:

105, Railway Rolling Stock, subclass 377.09 for sliding railway freight covers.

100.04 Having securing means:

This subclass is indented under subclass 100.03. Subject matter including a device to fix the position of the cover to a body of the vehicle.

SEE OR SEARCH CLASS:

105, Railway Rolling Stock, subclass 377.11 for a railway freight cover locking device.

100.05 Having actuator:

This subclass is indented under subclass 100.03. Subject matter wherein the sliding movement of the cover is activated by a device (a) which produces a force (e.g., a motor or spring) or (b) which enhances the movement (e.g., a lever).

100.06 Hinged:

This subclass is indented under subclass 100.02. Subject matter including a device which allows a turning or pivoting movement of the cover relative to a body of the vehicle.

SEE OR SEARCH CLASS:

105, Railway Rolling Stock, subclass 377.05 for a hinged railway freight cover.

100.07 Having securing means:

This subclass is indented under subclass 100.06. Subject matter including a device to fix the position of the cover to a framework or the body of the vehicle.

100.08 Via hinged link:

This subclass is indented under subclass 100.06. Subject matter wherein the hinged connection between the cover and the body comprises a strut or panel with multiple hinge axes.

100.09 Multiple sections hinged together:

This subclass is indented under subclass 100.06. Subject matter wherein the cover is divided into more than one section pivoted together.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

219, for multiple hinged panel sections.

SEE OR SEARCH CLASS:

105, Railway Rolling Stock, subclass 377.04 for multiple section railway folding freight covers.

100.1 Having actuator:

This subclass is indented under subclass 100.06. Subject matter wherein the turning or pivoting movement of the cover is activated by a means (a) which produces a force (e.g., a motor or spring) or (b) which enhances the movement (e.g., a lever).

SEE OR SEARCH CLASS:

105, Railway Rolling Stock, subclass 377.05 for a hinged railway freight cover with an actuator.

100.11 Flexible and accumulating (e.g., gathering type):

This subclass is indented under subclass 100.01. Subject matter wherein the cover is made of a pliable material in a panel or web form to allow bending or flexing and the cover is contracted into a smaller extent.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

98, for roll-up covers.

100.12 Movable with rigid guidance:

This subclass is indented under subclass 100.11. Subject matter wherein an accumulating movement of the cover along a load bed is guided by a substantially inflexible means such as a tensioned cable or track member.

100.13 Movable with flexible guidance:

This subclass is indented under subclass 100.11. Subject matter wherein an accumulating movement of the cover along a load bed is guided by a means made of a pliable material such as a rope.

100.14 Movable with pivoted support:

This subclass is indented under subclass 100.11. Subject matter wherein an accumulating movement of the cover along a load bed is guided by a pivoted link member.

100.15 Flexible having tensioning means:

This subclass is indented under subclass 100.01. Subject matter wherein the load cover is made of a pliable material in a panel or web form to allow bending or flexing of the cover and the cover includes a device to apply a force to the cover for stretching or making the cover taut.

SEE OR SEARCH CLASS:

135, Tent, Canopy, Umbrella, or Cane, subclass 907 for a cover stretcher.

100.16 Flexible with securing means:

This subclass is indented under subclass 100.01. Subject matter wherein the cover is made of a pliable material in a panel or web form to allow bending or flexing of the cover and the cover includes a device to fix the position of the cover to a framework or body of the vehicle.

SEE OR SEARCH CLASS:

160, Flexible or Portable Closure, Partition, or Panel, subclasses 368.1+ for a mounting, fastening or supporting means and subclasses 382+ for a fabric fastening means.

100.17 Supporting framework:

This subclass is indented under subclass 100.01. Subject matter wherein the load cover includes a skeletal base structure configured to underlie and support the cover.

100.18 Having flexible cover:

This subclass is indented under subclass 100.17. Subject matter wherein the cover is made of a pliable material in a panel or web form to allow bending or flexing.

SEE OR SEARCH CLASS:

105, Railway Rolling Stock, subclass 377.03 for a flexible railway freight cover and removable frame.

101 Where the purpose of the vehicle is especially adapted to transport ashes or other refuse.

102 Tops which when in place on the vehicle are incapable of changing their upright or vertical position.

103 Detachable tops adapted, when in position on the body of the vehicle, to form therewith a closed vehicle of the limousine type.

104 Where the top comprises inverted U-shaped bows, the legs of the bows secured to the vehicle-body and operating as a support for the covering of the top.

105 Where the bows may be moved from the spaced to an adjacent position to collapse the top, the vertical arrangement of the bows being substantially unchanged.

106 A door or gate located at the rear of the top and corresponding to the end-gate of the vehicle-body.

(1) For end gates as set forth in the line note in the main class definition in this class (296), see the Search Class notes below.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

50+,

SEE OR SEARCH CLASS:

160, Flexible or Portable Closure, Partition, or Panel, appropriate subclasses for end gates as set forth in the line note in the main class definition in this class (296).

107.01 Let-down type top:

This subclass is indented under the class definition. Subject matter including a top capable of assuming a plurality of positions relative to the body of the vehicle and when in the down or inoperative position the vertical dimension of the top is changed.

107.02 For baby carriage:

This subclass is indented under subclass 107.01. Subject matter wherein the let-down type top includes a stroller used for transporting a child.

SEE OR SEARCH CLASS:

280, Land Vehicles, subclass 642 for folding of a baby carriage.
296, Land Vehicles: Bodies and Tops, subclass 97.21.

107.03 Having overhead guard:

This subclass is indented under subclass 107.01. Subject matter wherein the top includes means to protect a vehicle operator.

SEE OR SEARCH CLASS:

280, Land Vehicles, subclass 756 for roll bars or overhead guards.

107.04 Seal:

This subclass is indented under subclass 107.01. Subject matter including a member provided at the junction of the top and the body to protect the interior of the receptacle or load carrier from weather (e.g., rain or dust) or noise.

SEE OR SEARCH CLASS:

49, Movable or Removable Closures, subclasses 475.1+ for a closure seal.

107.05 Including valance:

This subclass is indented under subclass 107.01. Subject matter including a structure provided at the edge of the let-down type top of the vehicle.

SEE OR SEARCH THIS CLASS, SUBCLASS:

135, for a top valance.

107.06 Having ceiling inner liner:

This subclass is indented under subclass 107.01. Subject matter including a member covering the inside surface of the let-down type top of the vehicle.

107.07 Top and window combination:

This subclass is indented under subclass 107.01. Subject matter wherein the let-down type top includes a window displaced rearwardly of a windshield of the vehicle.

SEE OR SEARCH THIS CLASS, SUBCLASS:

145, for a windowed curtain.
146.14, for a window interacting with a convertible top.

107.08 Including top storage compartment with closure:

This subclass is indented under subclass 107.01. Subject matter wherein a receptacle is formed in the body of the vehicle to receive the top when in an inoperative or down position and a lid is provided for at least partially closing the receptacle.

107.09 Flexible folding top or hinged framework:

This subclass is indented under subclass 107.01. Subject matter wherein the top (a) is made of a pliable material in a panel or web form which is foldable or (b) includes a pivotal or jointed skeletal under-structure.

107.1 Inflatable top:

This subclass is indented under subclass 107.09. Subject matter wherein the top includes a fluid filled chamber.

107.11 Top and framework connection:

This subclass is indented under subclass 107.09. Subject matter wherein a significance is attributed to a securement of the top to the framework.

107.12 Tension device:

This subclass is indented under subclass 107.09. Subject matter wherein the top includes a device for regulating a tautness in the pliable material of the top.

SEE OR SEARCH CLASS:

135, Tent, Canopy, Umbrella, or Cane, subclass 907 for a cover stretcher.

107.13 Having sliding framework:

This subclass is indented under subclass 107.09. Subject matter wherein the pivotal or jointed skeletal under-structure includes a connection having a smooth continuous contact.

107.14 Telescopic:

This subclass is indented under subclass 107.13. Subject matter wherein the framework slides inward or outward in overlapping sections.

107.15 Flexible and rigid top:

This subclass is indented under subclass 107.09. Subject matter wherein an outer surface of the top is made of pliable and stiff or nonflexible materials.

107.16 Pivoted top:

This subclass is indented under subclass 107.01. Subject matter wherein the top is supported by a hinged connection.

107.17 Rigid:

This subclass is indented under subclass 107.16. Subject matter wherein the pivoted top is made of a nonflexible or nonbending material.

107.18 Having track:

This subclass is indented under subclass 107.16. Subject matter wherein the hinged connection includes a rail upon which the top travels.

107.19 Slidable top:

This subclass is indented under subclass 107.01. Subject matter wherein the positioning of the let-down type top relative to the body of the vehicle is directed by a sliding engagement of tracks or telescopic struts or linear guides or similar means.

107.2 Rigid:

This subclass is indented under subclass 107.19. Subject matter wherein the slidable top is made of a nonflexible or nonbending material.

108 Where the top consists of sections pivoted to permit collapse of the top to assume a down position.

SEE OR SEARCH CLASS:

160, Flexible or Portable Closure, Partition, or Panel, appropriate subclasses, (and particularly subclass 130 and indented subclasses) for interconnected sections, as set forth in the line note in the main class definition in this class (296).

109 Tops comprising inverted U-shaped bows movable to an adjacent position to collapse the top and pivoted to the vehicle-body to swing to a down position.

110 Where the top is capable of assuming a plurality of up or operative positions.

111 Where the top comprises a single group of substantially radiating bows pivoted to the vehicle-body.

112 Comprising means for raising or lowering or assisting in raising or lowering a top of the type indicated.

113 Where the tension of a spring is used for the purpose indicated.

114 Comprising, when in up or operative position, two sets of bow groups, the forward set being movable to a position adjacent the rear set to permit collapse and movement to a down position of the top.

115 Means for raising or lowering or assisting in raising or lowering a top of the type indicated.

116 Comprising a supporting frame or bow group to which is trussed a forwardly-projecting frame or bow, the forwardly-projecting frame or bow being collapsible or movable with respect to the support to permit the top as a whole to assume a down position.

SEE OR SEARCH CLASS:

160, Flexible or Portable Closure, Partition, or Panel, especially subclass 19, 20, 22, and 45, and indented subclasses, for outrigger type devices as set forth in the line note in the main class definition in this class (296).

- | | |
|---|---|
| <p>117 Means for raising or lowering or assisting in raising or lowering a top of the type indicated.</p> <p>118 Patents relating to bows or the slat portion of the bows of vehicle-tops.</p> <p>119 Iron parts of bows or slats.</p> <p>120.1 Brace:
This subclass is indented under subclass 107.01. Subject matter for holding the top in an up or operative position by bracing.</p> <p>121 Forming parts of elements of a top or means for securing the elements of a top to the vehicle body.</p> <p>122 Where the joint or coupling is a pivot bolt for a brace or bow.</p> <p>123 A rail to which the top is attached, which rail is detachably carried by the seat back and sides.</p> <p>124 Means for supporting tops when in a down or inoperative position.</p> <p>125 Where the pivot support for the prop or base of the top is provided with a cushion to support the rear bow when the top is down.</p> <p>126 Where the cushion is a spring.</p> <p>127 Where the adjacent edges of the bows are provided with means to support the bows in spaced relation when the top is down and collapsed.</p> <p>128 Where the down-support comprises means for clamping elements of the top to hold it in down position.</p> <p>129 Also provided with means for spacing adjacent bows of a top.</p> <p>130 Where the clamping means is a tightened strap.</p> <p>131 Supporting means attached to the top.</p> <p>132 Attached to both the body and top.</p> <p>133 Where the supporting means of the type indicated is a spring.</p> | <p>134 Where the support is a spring, excluding spring-supports of the type found in subclasses 126 and 133 of this class.</p> <p>135 Edge trimmings and bindings for tops.</p> <p>136 Inclosing or covering means adapted to protect the top from dust when in down or inoperative position.</p> <p>SEE OR SEARCH CLASS:
135, Tent, Canopy, Umbrella, or Cane, subclass 115 for covers used in portable shelters.
160, Flexible or Portable Closure, Partition, or Panel, subclass 19.</p> <p>138 Relating to the side and rear curtains of a top.</p> <p>SEE OR SEARCH CLASS:
160, Flexible or Portable Closure, Partition, or Panel, for side and rear curtains, as set forth in the line note in the main class definition of this class (296).</p> <p>139 Where the side curtain is secured to the door or to an extension of the door to open when the door is opened.</p> <p>SEE OR SEARCH CLASS:
160, Flexible or Portable Closure, Partition, or Panel, subclass 102.</p> <p>140 Stored in the roof portion of the top when not in use.</p> <p>SEE OR SEARCH CLASS:
160, Flexible or Portable Closure, Partition, or Panel, subclass 19 and indented subclasses.</p> <p>141 Rolled or folded to compact form before movement to storage position.</p> <p>SEE OR SEARCH CLASS:
160, Flexible or Portable Closure, Partition, or Panel, subclass 23.1 and indented subclasses.</p> <p>142 Secured to and adapted to roll on a vertical roller.</p> |
|---|---|

143 Secured to and adapted to roll on a horizontal roller.

144 Strips secured to the top and vehicle body at the rear corners of the vehicle to limit the forward movement of the top.

145 Showing means for securing transparent material to an opening in a curtain.

SEE OR SEARCH CLASS:

160, Flexible or Portable Closure, Partition, or Panel, subclass 180 and 237.

146.1 Door or window with specified vehicle feature:

This subclass is indented under subclass 146.1. Access barrier or closure which relates to a transparent panel displaced rearwardly of a windshield of a vehicle, in association with a retractable vehicle roof.

- (1) Note. The association is usually provided to affect a cooperative, mating seal but is not limited thereto.

SEE OR SEARCH THIS CLASS, SUBCLASS:

107.07, for a let-down type top in combination with a window.

SEE OR SEARCH CLASS:

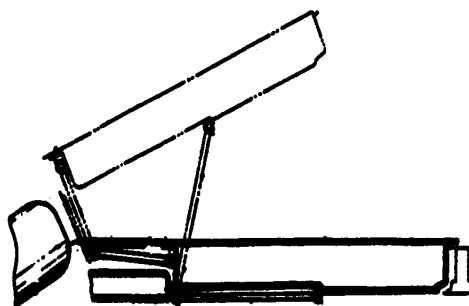
- 49, Movable or Removable Closures, appropriate subclasses for particular car door (access barrier or closure) structure when no defining accessory or feature correlated to a vehicle body is present.
- 52, Static Structures (e.g., Buildings), appropriate subclasses for a barrier or panel lacking (a) features for providing movement or removal (e.g., hinge, closure, etc.) or (b) a vehicle body feature.

146.11 Door hinge detail:

This subclass is indented under subclass 146.1. Access barrier or closure including details of mounting means providing a swinging movement about a pivot axis.

146.12 Multiple hinge axes:

This subclass is indented under subclass 146.11. Devices wherein the mounting means has more than one pintle.



146.13 Folding-type door:

This subclass is indented under subclass 146.1. Access barrier or closure having multiple sections articulated to each other.

146.14 Window interacting with convertible top:

This subclass is indented under subclass 146.1. Access barrier or closure which relates to (a) a transparent panel displaced rearwardly of a windshield of a vehicle, in association with a retractable vehicle roof, or (b) a transparent panel mounted to the retractable roof and moving therewith.

- (1) Note. The association is usually provided to effect a cooperative, mating seal but is not limited thereto.

146.15 Body mounted window:

This subclass is indented under subclass 146.1. Access barrier or closure relating to a transparent panel mounted on the vehicle body.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 84.1+, for a transparent panel secured to a vehicle body and in front of a vehicle seat (e.g., windshield, etc.).
- 146.2+, for a transparent panel mounted on an access barrier or closure.
- 200, for a transparent panel arranged to provide better viewing therethrough for the driver and/or passenger in the vehicle.

215, for a transparent panel fixedly mounted to a roof of a vehicle body.

SEE OR SEARCH CLASS:

52, Static Structures (e.g., Buildings), subclasses 393+ and the search notes thereunder for mounting a transparent panel and an adjacent member (e.g., frame, etc.).

146.16 Movable:

This subclass is indented under subclass 146.15. Access barrier or closure including means for shifting the panel relative to the body.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

216.01+, for a transparent panel movably mounted to a roof of a vehicle body (e.g., sun roof and/or moon roof, etc.).

SEE OR SEARCH CLASS:

49, Movable or Removable Closures, subclasses 475.1+ for sealing means acting at the juncture of an access barrier or closure and an adjacent member (e.g., frame, etc.).

146.2 Door includes window:

This subclass is indented under subclass 146.1. Access barrier or closure including particulars of a transparent panel in the barrier (e.g., mountings, window channel or support, seal, operating mechanism, etc.).

(1) Note. A nominal recitation of a door having a window, either movable or fixed, is not sufficient to cause assignment to this subclass in the absence of particulars of the window.

SEE OR SEARCH CLASS:

49, Movable or Removable Closures, subclass 166 for the combination of an access barrier pivotal about a vertical axis and carrying an associated transparent panel wherein the transparent panel is mounted for movement distinct and separate from the pivotal movement.

146.3 Flush mounted:

This subclass is indented under subclass 146.2. Access barrier or closure wherein the transparent panel is mounted at an outer surface substantially coplanar with adjoining body structure.

146.4 Remotely actuated door:

This subclass is indented under subclass 146.1. Vehicle body access barrier or closure including manually engaged means at a separate location from that of the barrier or closure which causes the access barrier or closure to change location or securing means for the barrier or closure to lock or unlock.

146.5 Door frame or shell:

This subclass is indented under subclass 146.1. Vehicle body access barrier or closure with specific skeletal structure or casing.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

202, for supporting frame means for a vehicle body door.

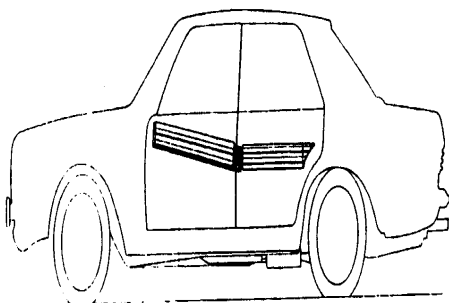
146.6 Reinforcement:

This subclass is indented under subclass 146.5. Structure relating to supplemental means for strengthening a frame or shell of the access barrier or closure.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

188, for means provided to eliminate or reduce impact deformation of a vehicle body structural member.

189, for means provided to absorb impact energy resulting from impacts by a foreign body upon a vehicle body structural member.

**146.7 Interior trim panel on door:**

This subclass is indented under subclass 146.1. Access barrier or closure including details of an inwardly facing embellishment or covering.

146.8 Door extending across front or rear of body:

This subclass is indented under subclass 146.1. Access barrier or closure which in a closed position extends transversely across the vehicle at front or rear ends (e.g., hatchback type for the latter, etc.).

SEE OR SEARCH THIS CLASS, SUBCLASS:

96.13, for a wraparound windshield movable from a normal operative position to a position to allow entry and/or exit from the vehicle.

146.9 Specific door or door opening edge feature:

This subclass is indented under subclass 146.1. Access barrier or closure with structural details relating to the intersection of (a) a barrier or closure and a vehicle body or (b) multiple barriers or closures (e.g., interlocking arrangements, sealing means, continuous roof/door contours, flush profiles, etc.).

SEE OR SEARCH THIS CLASS, SUBCLASS:

206, for means for securing windlace to the vehicle body to prevent wind from entering through otherwise open spaces or cracks around doors or windows.

SEE OR SEARCH CLASS:

49, Movable or Removable Closures, subclass 500.1 for weatherstrip of the windlace type.

147 This subclass is indented under subclass 146.1. Device provided with a top spaced from the body walls to form an uninterrupted passage therebetween substantially the length of the vehicle body, and further provided with a plurality of closures to be shifted to and from a position occupying the passage between the top and body.

SEE OR SEARCH CLASS:

105, Railway Rolling Stock, subclasses 332+ for railway passenger cars convertible from open-sided summer cars to closed-sided winter cars.

148 This subclass is indented under subclass 147. Device in which the closures are mounted on the sides of the vehicle, and in which the means mounting the panels permit them to be readily physically disassociated from the body to form a passage.

149 This subclass is indented under subclass 147. Device provided with a door and a body portion on the side of said door, each provided with a closure extensible therefrom, and each further provided with a recess or receptacle within the door and body portion to receive the closures when shifted from their passage blocking position.

(1) Note. The adjacent body portion may be another door.

SEE OR SEARCH CLASS:

49, Movable or Removable Closures, subclasses 372+ for a closure of general utility stored in a housing, and see the search notes thereto.

150 This subclass is indented under subclass 149. Device provided with a guiding or bracing post between the closures in their passage blocking position and further provided with means mounting the post so as to permit shifting of the post to a position clear of the passage.

- SEE OR SEARCH CLASS:**
 49, Movable or Removable Closures, subclass 316 for a retractable upper support which guides a closure from a housing, and subclass 365 for an independently movable or removable center post serving as a stop or closure mount for adjacent closures.
- 151** This subclass is indented under subclass 146.1. Device wherein the closure is configured so as to accommodate a wheel housing or a step portion of the vehicle body.
- 152** This subclass is indented under subclass 146.1. Device provided with means attached to the closure to add to the convenience of the vehicle's occupant or to the effectiveness of vehicle body, e.g., armrest, visor, noise reducer, wind hose.
- SEE OR SEARCH CLASS:**
 454, Ventilation, subclasses 128+ for a vehicle body with accessories for ventilating the body, e.g., wind deflectors.
- 153** This subclass is indented under subclass 152. Device wherein the accessory comprises a device for supporting an arm of an occupant of the vehicle, or for covering and protecting the window sill from the arm of the vehicle's occupant.
- SEE OR SEARCH CLASS:**
 297, Chairs and Seats, subclasses 411.2+ for an armrest of general utility and see the search notes thereto for the loci of other armrests.
- 154** This subclass is indented under subclass 152. Device wherein the accessory means comprises a device to convey or direct moisture away from the interior of the vehicle.
- SEE OR SEARCH CLASS:**
 49, Movable or Removable Closures, subclass 476.1 for a closure face mounted deflector or a closure seal combined with a fluid drain, and see the search notes thereto for the loci of other drains and deflectors.
 454, Ventilation, subclasses 128+ for an air deflector for an automobile window.
- 155** This subclass is indented under subclass 146.1. Device provided with a plurality of closures and further provided with means on opposite sides of the vehicle body for mounting the closures for sliding movement.
- SEE OR SEARCH CLASS:**
 49, Movable or Removable Closures, subclass 94 for closures on opposite barriers interconnected for concurrent movement, and subclasses 404+ for a reciprocating closure of general utility.
- 156** **Camper:**
 This subclass is indented under subclass 1.1. Apparatus in which the portion of the land vehicle which operates as a receptacle or load-carrier is a body providing a living space for people for the purpose of camping, which may include plumbing, eating, sleeping, or other facilities to meet human needs, and which may have means to change its configuration to increase or decrease its living space or to reduce its outside dimensions for storage or transporting.
- SEE OR SEARCH CLASS:**
 5, Beds, various subclasses for specific bed structure.
 49, Movable or Removable Closures, various subclasses for a specific door, window, partition, etc., structure.
 454, Ventilation, subclasses 69+ for ventilators for vehicles.
- 157** **Having boat carrying means:**
 This subclass is indented under subclass 156. Apparatus in which the body includes a means or a particularly designed facility for supporting or handling a boat.
- SEE OR SEARCH CLASS:**
 114, Ships, subclasses 343+ for boats, per se.
 224, Package and Article Carriers, subclasses 400+, 311, 312, and 321 for article carrying devices attached to vehicles.
 280, Land Vehicles, subclasses 414.1+ for boat carrying trailers.

- 158 Having vehicle carrying means:**
This subclass is indented under subclass 156. Apparatus in which the body includes a means or a particularly designed facility for supporting or handling a vehicle, e.g., motorcycle, etc.
- SEE OR SEARCH CLASS:
224, Package and Article Carriers, subclasses 400+, 311, 312, and 321 for article carrying devices attached to vehicles.
- 159** This subclass is indented under subclass 156. Having tent means demountable therefrom: Apparatus wherein the camper body is adapted to support all or a part of a tent structure, and wherein the tent may be removed from said body and erected or caused to stand for its intended use independently of any support from said body.
- SEE OR SEARCH CLASS:
135, Tent, Canopy, Umbrella, or Cane, subclasses 87+ for tents, per se.
- 160 Having tent solely supported by camper body roof:**
This subclass is indented under subclass 156. Apparatus in which the camper body has a roof which is the sole support for an erected tent structure, said tent either engages said roof or extends from and is solely supported by a means adapted to be secured only to said roof.
- SEE OR SEARCH CLASS:
135, Tent, Canopy, Umbrella, or Cane, subclasses 88.14+ for tents with carriers associated with a vehicle roof or trunk lid.
- 161** This subclass is indented under subclass 156. Having tent having ground engaging means: Apparatus in which the camper body is adapted to support a portion of an erected tent structure, wherein another portion of said tent is supported by means other than the camper body such as the ground.
- SEE OR SEARCH CLASS:
135, Tent, Canopy, Umbrella, or Cane, subclasses 88.13+ for tents supported by a vehicle.
- 162 Having porch means:**
This subclass is indented under subclass 156. Apparatus wherein the camper body has a platform means usable as a porch attached thereto or usable therewith.
- 163 Having canopy means:**
This subclass is indented under subclass 156. Apparatus wherein the camper body has a canopy connected therewith for use.
- 164 Supported by self-propelled vehicle unit:**
This subclass is indented under subclass 156. Apparatus in which the camper body is secured to and supported by a self-propelled vehicle by means permitting removal of said body from said vehicle.
- SEE OR SEARCH CLASS:
224, Package and Article Carriers, subclass 280 for means for removing a camper body from a self-propelled vehicle.
254, Implements or Apparatus for Applying Pushing or Pulling Force, subclass 45 for jacks, per se, which may be attached to a camper body.
- 165 Expansible or collapsible vehicle body:**
This subclass is indented under subclass 164. Apparatus wherein the camper body is provided with means permitting enlargement of its living space or with means permitting it to collapse to a configuration where it is not usable for its intended purpose, but which does decrease its overall size so that it may be transported more readily.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
26.01+, for extensible and collapsible vehicle bodies of general utility.
- SEE OR SEARCH CLASS:
52, Static Structures (e.g., Buildings), subclasses 64 through 72 for rearrangeable building sections.
- 166 Having docking passage means between body and vehicle unit:**
This subclass is indented under subclass 164. Apparatus wherein the camper body and its self-propelled supporting vehicle are connected

- together with a passage-way means extending between a living space of said body and a non-camper body passenger compartment of the vehicle.
- SEE OR SEARCH CLASS:
49, Movable or Removable Closures, subclass 477.1 for inflatable seals.
- 167 Having means to tie down body to vehicle unit:**
This subclass is indented under subclass 164. Apparatus having a specific structure for connecting the camper body to its support vehicle.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
35.1+, for securing devices for vehicle bodies of general utility.
- SEE OR SEARCH CLASS:
410, Freight Accommodation on Freight Carrier, subclass 46 for an on-and-off base (e.g., pallet) to be loaded onto a freight carrier together with the particular article (e.g., household appliance) to be shipped; and subclasses 52+ for the removable securement of an on-and-off load bearer (e.g., pallet or container) to a freight carrier.
- 168 Supported on a trailer-type vehicle unit:**
This subclass is indented under subclass 156. Apparatus for camper bodies adapted to be mounted on and carried by a nonself-propelled land vehicle which is designed to be towed by a self-propelled vehicle unit.
- 169 Body having hinged side or end sections to support a bed:**
This subclass is indented under subclass 168. Apparatus in which the camper body is provided with a side or an end section which is pivotally mounted and adapted to be swung from a vertical position, in which it forms a side or end portion of said body, to a horizontal position for the purpose of supporting a bed upon which a person may sleep.
- 170 Body having slidable bed support:**
This subclass is indented under subclass 168. Apparatus in which the camper body is provided with panel or other means adapted to slide from a concealed position to one in which it is adapted to support a bed upon which a person may sleep.
- 171 Body having telescopic sections:**
This subclass is indented under subclass 168. Apparatus wherein the camper body is composed of relatively movable telescopically associated sections which may be moved relatively and telescopically for the purpose of changing the width, length, or height of said body.
- SEE OR SEARCH CLASS:
52, Static Structures (e.g., Buildings), subclass 67 for telescoping sub or main enclosures.
- 172 Body being expansible from one configuration usable for camping to another configuration usable for camping:**
This subclass is indented under subclass 168. Apparatus wherein the camper body has means whereby its interior dimensions may be increased or decreased in height, width, or length so that, after making a dimensional change, the body continues to be usable for the purpose of camping.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
26.01+, for expansible vehicle bodies of general utility.
- SEE OR SEARCH CLASS:
52, Static Structures (e.g., Buildings), subclasses 64 through 72 for rear-rangeable building structures.
- 173 Body being collapsible to a configuration nonusable for camping condition:**
This subclass is indented under subclass 168. Apparatus wherein the camper body is provided with means whereby it may be collapsed from a condition in which it is usable for camping to a condition in which it is not usable for camping but has a configuration more convenient for transportation or storage.
- SEE OR SEARCH THIS CLASS, SUBCLASS:
26.01+, for collapsible vehicle bodies of general utility.

174 Body having hinged bed support:

This subclass is indented under subclass 156. Apparatus in which the camper body is provided with a side or an end section which is pivotally mounted and adapted to be swung from a vertical position, in which it forms a side or end portion of the body, to a horizontal position for the purpose of supporting a bed upon which a person may sleep.

175 Body having telescopic sections:

This subclass is indented under subclass 156. Apparatus wherein the camper body is composed of relatively movable telescopically associated sections, which may be moved relatively and telescopically for the purpose of changing the width, length, or height of said body.

176 Body being expansible from one configuration usable for camping to another configuration usable for camping:

This subclass is indented under subclass 156. Apparatus wherein the camper body has means whereby its interior dimensions may be increased or decreased in height, width, or length so that, after making a dimensional change, the body continues to be usable for the purpose of camping.

177 Vehicles simulating standard types of vehicles (e.g., ambulance, farm tractor, etc.) but reduced to a size upon which a child may ride:

This subclass is indented under subclass 1.1. Apparatus which includes a vehicle body means particularly designed or intended to be a means upon which children may ride and which is a miniaturization or a reduced scale facsimile or simulation of any full scale special or general purpose vehicle either imagined or actually constructed.

SEE OR SEARCH CLASS:

446, Amusement Devices: Toys, subclasses 269+ for wheeled figure toy and subclasses 431+ for other wheeled toys.

178 Passenger bus body:

This subclass is indented under subclass 1.1. Apparatus which includes vehicle body means being particularly designed or intended to be

capable of carrying more people than is normally considered to be the capacity of an automobile.

SEE OR SEARCH CLASS:

280, Land Vehicles, subclasses 781+ for frames for vehicles.

179 For transporting passengers to or from an aircraft:

This subclass is indented under subclass 178. Apparatus particularly constructed as a means for transporting passengers to or from a grounded aircraft and having means which may cooperate with said aircraft whereby said passengers may either enter or exit said aircraft.

180 Wagon or horse drawn vehicle:

This subclass is indented under subclass 1.1. Apparatus which includes body means designed to carry loads of a general or specialized nature, and which is designed to be pulled or pushed by connection with a beast of burden or substitute therefor.

SEE OR SEARCH CLASS:

280, Land Vehicles, subclass 63 for horse drawn vehicles.

180.1 With distinct wind deflector:

This subclass is indented under subclass 1.1. Subject matter in which the wind deflector constitutes a distinct means for redirecting air flow around the vehicle to reduce wind resistance thereon.

(1) Note. If primary utility and function is wind deflecting to reduce wind resistance or improve vehicle stability proper for this subclass. If function other than wind deflecting or stability enhancing is disclosed it goes elsewhere in this class or another class which provides for said function, e.g., rear window cleaner.

(2) Note. Vehicles on a single chassis which exhibit airflow characteristics similar to those of tractor-trailer combinations will be treated as pulling and towed vehicles for purposes of placement in this subclass and its indents.

- SEE OR SEARCH THIS CLASS, SUB-CLASS:
 91, for wind deflectors that guide air currents to protect windshield and other vehicle areas from accumulation of dirt, bugs, etc.
 217, for air deflectors associated with movable roof panels above passenger area.
- 180.2 Mounted on pulling vehicle (e.g., tractor, etc.):**
 This subclass is indented under subclass 180.1. Subject matter in which the wind deflector is mounted on the pulling vehicle.
- 180.3 Adjustable angle:**
 This subclass is indented under subclass 180.2. Subject matter in which the wind deflector may be pivoted to provide different angles for redirecting air flow.
- 180.4 Mounted on towed vehicle:**
 This subclass is indented under subclass 180.1. Subject matter in which the wind deflector is mounted on the towed vehicle.
- 180.5 Adjustable angle:**
 This subclass is indented under subclass 180.1. Subject matter in which the wind deflector may be pivoted to provide different angles for redirecting air flow.
- 181 Trailer body:**
 This subclass is indented under subclass 1.1. Apparatus which includes body means for carrying a load of a general or specialized nature, and which is adapted to be supported for mobility by wheel means located generally at one end of said body means and be a draft vehicle at the opposite end.
- SEE OR SEARCH CLASS:
 280, Land Vehicles, subclasses 400+ for articulated vehicles.
- 182 Body platform:**
 This subclass is indented under subclass 181. Apparatus wherein said body means is constructed to provide an unobstructed planar load-supporting surface which extends the entire length and width of the body.
- 183 Truck body:**
 This subclass is indented under subclass 1.1. Apparatus which includes body means for the purpose of carrying a bulk load and having a generally planar-supporting surface for said bulk load and vertical side and end members extending from said supporting surface to retain the load on said surface.
- 184 Dump truck type:**
 This subclass is indented under subclass 183. Apparatus which may be tilted for removal of the load therefrom.
- SEE OR SEARCH CLASS:
 298, Land Vehicles: Dumping, various subclasses for vehicles having various bodies from which a load may be dumped.
- 185 Automobile body:**
 This subclass is indented under subclass 1.1. Apparatus which includes body means for the purpose of carrying generally from one to six or nine people simultaneously.
- 186 Nonenclosed type:**
 This subclass is indented under subclass 185. Apparatus including side members which extend up from lower part of the body to more or less a line extension of the upper extremity of the automobile hood and devoid of a means above the heads of the people carried by said body.
- 187 Body structural means:**
 This subclass is indented under subclass 1.1. Apparatus which includes all or part of the structural members which are used in the construction of a vehicle body.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
 1.1, for vehicle bodies constructed to perform a specific function not provided for above.
- SEE OR SEARCH CLASS:
 180, Motor Vehicles, subclasses 89.1+ as explained in the reference thereto appearing in subclass 1 above.

188 For reinforcing or resisting deformation from impact:

This subclass is indented under subclass 187. Apparatus having means particularly provided to eliminate or reduce the probability that the position of the vehicle body which impacts with a foreign body will not deform.

189 Deformable to absorb the shock of impact:

This subclass is indented under subclass 187. Apparatus having means particularly constructed to change shape or position relative to other means upon impact with a foreign body and thereby absorb energy of the impact.

SEE OR SEARCH CLASS:

- 280, Land Vehicles, subclass 784 for vehicle frames having impact absorbing means.
- 293, Vehicle Fenders, subclasses 107+, 124, 131, 132+, and 150 for vehicle bumpers which change shape or are provided with means permitting the bumper to change its relative position with the vehicle on which it is mounted to thereby absorb energy of impact.

190.01 Operator's cab:

This subclass is indented under subclass 187. Subject matter including means which constitutes that portion of the vehicle body which carries or encloses a person at the location on the body where the operation of the vehicle is controlled.

SEE OR SEARCH CLASS:

- 180, Motor Vehicles, subclass 89.12 for a motor vehicle of the tractor or similar type having an enclosed operator's station; and subclasses 89.13+ for a motor vehicle having a operator's compartment which is movable to a different attitude or location on the vehicle.

190.02 Having sleeping accommodation (e.g., sleeper):

This subclass is indented under subclass 190.01. Subject matter wherein a bed or berth or bunk is provided for the operator or a passenger to rest.

SEE OR SEARCH CLASS:

- 5, Beds, subclasses 118+ for vehicle attached beds.

190.03 Operator's protection:

This subclass is indented under subclass 190.01. Subject matter including means associated with the cab to prevent injury to the operator from rollover or crush protection.

SEE OR SEARCH CLASS:

- 280, Land Vehicles, subclass 756 for roll bars or overhead guards.

190.04 Movable or removable cab:

This subclass is indented under subclass 190.01. Subject matter wherein the cab is displaceable relative to the vehicle or disconnectable from the vehicle.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 35.3, for removable body and chassis connections.

SEE OR SEARCH CLASS:

- 180, Motor Vehicles, subclasses 89.13+ and 89.18 for motor vehicle cabs and portions thereof shiftable on the vehicle.

190.05 By pivotal connection:

This subclass is indented under subclass 190.04. Subject matter wherein the cab is tiltably mounted to the vehicle by a hinge.

SEE OR SEARCH CLASS:

- 180, Motor Vehicles, subclass 89.14 for motor vehicles with tilting cabs.

190.06 Having securing device (e.g., latch):

This subclass is indented under subclass 190.05. Subject matter wherein a lock mechanism prevents a movement of the cab.

190.07 Resilient support:

This subclass is indented under subclass 190.04. Subject matter wherein the cab is mounted to the vehicle via a means which reduces a vibration or shock load to the cab.

SEE OR SEARCH THIS CLASS, SUB-CLASS:
35.1, for body securing devices.

SEE OR SEARCH CLASS:
267, Spring Devices, subclasses 2+ for vehicle spring devices.

190.08 Cab structure:

This subclass is indented under subclass 190.01. Subject matter including constructional elements of the cab such as a framework or panel or joint or such similar element.

SEE OR SEARCH THIS CLASS, SUB-CLASS:
29+, 191, 203+ for body frame construction and connection details.

SEE OR SEARCH CLASS:
180, Motor Vehicles, subclasses 89.1+ for details of motor vehicle bodies.

190.09 Having air handling:

This subclass is indented under subclass 190.08. Subject matter wherein a portion of the cab structure is associated with the treatment of a cab atmosphere such as heating or cooling or ventilating the air within the cab.

SEE OR SEARCH THIS CLASS, SUB-CLASS:
208, for vehicle ducts or conduits to transport the air.

SEE OR SEARCH CLASS:
454, Ventilation, subclasses 69+ for a vehicle (e.g., automobile, etc.) ventilation.

190.1 Window or windshield:

This subclass is indented under subclass 190.08. Subject matter wherein a transparent panel is provided in a cab perimeter for vision or light or air or protecting an occupant from wind.

SEE OR SEARCH THIS CLASS, SUB-CLASS:
84.1+, for a windshield structure.
146.15+, for a body mounted window.
201, for a window support means.

SEE OR SEARCH CLASS:

49, Movable or Removable Closures, subclasses 381+ for movable closures.
52, Static Structures (e.g., buildings), subclasses 204.5+ for details of window construction.

190.11 Closure:

This subclass is indented under subclass 190.08. Subject matter wherein the cab structure includes a movable panel for passage or access.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

37.6, for an auxiliary article compartment on a truck like vehicle.
146.1+, for a vehicle door.
202, for a door support means.
190.1, for a movable window or windshield.

SEE OR SEARCH CLASS:

49, Movable or Removable Closures, subclasses 381+ for a movably mounted closure, and subclasses 463+ for a removable closure.

191 Panel means:

This subclass is indented under subclass 187. Apparatus comprising the wall or shell means for the vehicle body.

192 Cowl:

This subclass is indented under subclass 187. Apparatus comprising that portion of the body which flares or extends forward of the lower edge of the windshield, and which may include a frame means for the lower portion of the windshield.

193 Body section:

This subclass is indented under subclass 187. Apparatus comprising a preassembled portion of a whole body which is ready for assembly to another portion of the whole body.

(1) Note. For perfecting details of the body, such as windows or supports therefor, scuff plates, sills, fenders, ducts, door bumpers, etc., see subclasses 201 and 208 below.

- 194 Body front:**
This subclass is indented under subclass 193. Apparatus having means constituting the forward part of said body relative to the normal direction which it travels.
- 195 Body rear:**
This subclass is indented under subclass 193. Apparatus having means constituting the after part of the body relative to the normal direction which it travels.
- 196 Separable section:**
This subclass is indented under subclass 193. Apparatus comprising a body portion having particular means by which it may be easily connected to and disconnected from another body portion.
- 197 Modular section:**
This subclass is indented under subclass 193. Apparatus comprising a body portion completely assembled with all perfecting details, if any, and requiring the addition of no other parts once connected to another body portion.
- 198 Wheel housing or fender:**
This subclass is indented under subclass 193. Apparatus comprising that body portion designed to at least partially surround a vehicle wheel.
- 199 Scuff plate:**
This subclass is indented under subclass 187. Apparatus comprising a protective plate or cover for the sill or other body structure which is located at the bottom of a door opening in the body.
- SEE OR SEARCH CLASS:
280, Land Vehicles, subclass 850 for vehicles having scuff plates.
- 200 Clear view window means:**
This subclass is indented under subclass 187. Apparatus comprising side window, back light or windshield means and/or supports therefor arranged to provide better viewing there-through for the driver and/or passengers in the vehicle.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
146.15, for a transparent panel mounted on the vehicle body.
- 201 Window support means:**
This subclass is indented under subclass 187. Apparatus comprising supporting frame means for all or part of a window or windshield for the vehicle body.
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
96.21, for a windshield supporting frame.
- SEE OR SEARCH CLASS:
49, Movable or Removable Closures, for closures of general utility.
- 202 Door support means:**
This subclass is indented under subclass 187. Apparatus comprising supporting frame means for a vehicle body door.
- 203.01 Body frame:**
This subclass is indented under subclass 187. Subject matter including a body supporting or rigidifying means for supporting the structural members such as bottom, sides, back or roof of the vehicle body.
- SEE OR SEARCH CLASS:
180, Motor vehicles, subclasses 311+ for a frame for a motor-propelled vehicle.
280, Land Vehicles, subclasses 781+ for a land vehicle of the wheeled type having a running gear and wherein a frame is provided for receiving a body.
- 203.02 Front:**
This subclass is indented under subclass 203.01. Subject matter wherein the supporting or rigidifying means supports a front part of the body frame relative to the normal direction in which the vehicle travels (e.g., a windshield frame, front pillar and cowl forwardly).
- SEE OR SEARCH THIS CLASS, SUB-CLASS:
194+, for a sectional body front.

203.03 Side:

This subclass is indented under subclass 203.01. Subject matter wherein the supporting or rigidifying means supports a side part of the body frame relative to the normal direction in which the vehicle travels (e.g., a side pillar joint with floor or roof structure).

SEE OR SEARCH THIS CLASS, SUB-CLASS:

193+, for a body section.

203.04 Rear:

This subclass is indented under subclass 203.01. Subject matter wherein the supporting or rigidifying means supports a rear part of the body frame relative to the normal direction in which the vehicle travels (e.g., a rear window frame or rear door pillar rearwardly).

SEE OR SEARCH THIS CLASS, SUB-CLASS:

195+, for a sectional body rear.

204 Under frame:

This subclass is indented under subclass 203. Apparatus which includes that body supporting or rigidifying means which extends only beneath the body and including such means which may extend up the sides of said body to the area of the roof structure.

205 Made of tubular members:

This subclass is indented under subclass 203. Apparatus in which said body supporting or rigidifying means is made of tubular members.

206 Wind break securing means:

This subclass is indented under subclass 187. Apparatus comprising means to attach windlace to said body to prevent wind from entering through otherwise open spaces or cracks around door and windows.

SEE OR SEARCH CLASS:

49, Movable or Removable Closures, subclass 500.1 for weatherstrip of the windlace type.

207 Door bumper:

This subclass is indented under subclass 187. Apparatus comprising resilient means which may be secured to a door or door post for said body to break the shock of a door slam.

208 Ducts or conduits:

This subclass is indented under subclass 187. Apparatus comprising rain gutters, drainage and ventilation conduits which are located in or on the vehicle body.

SEE OR SEARCH CLASS:

280, Land Vehicles, subclasses 781+ as explained in the reference thereto appearing in subclass 203 above; and see especially indented subclass 782.

454, Ventilation, subclasses 69+ for means to ventilate an automobile.

209 Sill:

This subclass is indented under subclass 187. Apparatus comprising the threshold for a vehicle body door.

(1) Note. A threshold may comprise a portion of the body floor adjacent to the bottom of the door, or it may include a lower portion of the door itself.

210 Roof structure:

This subclass is indented under the class definition. Subject matter relating to the uppermost horizontal covering means for the passenger compartment of a land vehicle, said covering may be formed from rigid or flexible material and may be provided with an aperture and a movable or removable closure for said aperture.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

98, for roll-up covers.

99.1, for covers which increase the top dimension.

100.01+, for freight covers.

102+, for the entire vehicle top having no means whereby its dimension may be changed.

107.01+, for let-down tops.

211 Having sound absorbing, insulating, or light reflecting quality:

This subclass is indented under subclass 210. Subject matter having means which is provided to (a) attenuate noise generated outside or within the covering, (b) restrict the transfer of heat therethrough, or (c) redirect light rays which could otherwise pass therethrough.

212 Vacuum or air pressure applied to roof means:

This subclass is indented under subclass 210. Subject matter having means which may be evacuated or pressurized by a gas or liquid to cause said covering means, or part thereof, to assume a desired shape or configuration.

213 Having water drainage or guide means:

This subclass is indented under subclass 210. Subject matter having specific means whereby rain or other liquid coming in contact with said covering may be directed or caused to flow in such a way as to not enter the passenger compartment.

214 Having headliner or liner support:

This subclass is indented under subclass 210. Subject matter having (a) a second covering located below and spaced from said covering means to form a covering which most directly forms the ceiling of the passenger compartment, or (b) means for supporting said second covering in its operative position.

215 Having light transmitting means:

This subclass is indented under subclass 210. Subject matter being entirely or in part comprised of material through which light rays may pass.

216.01 Roof panel movable to uncover passenger area (e.g., sun roof or moon roof):

This subclass is indented under subclass 210. Subject matter having means movable to permit free passage of light or air between the passenger compartment and the atmosphere.

- (1) Note. The means may or may not be dissociable from the covering means or from the vehicle but is movable to a closed position to restrict the exchange of light or air between the passenger compartment and the atmosphere.

216.02 Pivotal panel:

This subclass is indented under subclass 216.01. Subject matter wherein the movable means is a panel hinged or tilted relative to the roof structure.

SEE OR SEARCH CLASS:

49, Movable or Removable Closures, subclasses 381+ for a pivotal closure.

216.03 Movable to position above roof:

This subclass is indented under subclass 216.02. Subject matter wherein the pivotal panel is translated to overlap the roof structure.

216.04 Slidable panel:

This subclass is indented under subclass 216.01. Subject matter wherein the movable means is a panel translated along tracks or guides.

SEE OR SEARCH CLASS:

49, Movable or Removable Closures, subclasses 404+ for reciprocating closure means.

216.05 Movable to position above roof:

This subclass is indented under subclass 216.04. Subject matter wherein the slidable panel is translated to overlap the roof structure.

216.06 Specific roof panel and opening edge structure:

This subclass is indented under subclass 216.01. Subject matter including distinctive constructional elements of (a) the roof and (b) the movable roof panel at the junction of the roof and the movable roof panel (e.g., an edge or support framing or a seal between the roof panel and the edge of an opening for the roof panel).

216.07 Roof opening edge structure:

This subclass is indented under subclass 216.01. Subject matter including a constructional element (e.g., an edge or support framing or a roof edge seal) of the roof at a periphery of the opening for the roof panel.

216.08 Having guide:

This subclass is indented under subclass 216.07. Subject matter wherein the roof opening edge structure includes a track or guide for moving the roof panel.

216.09 Roof panel edge structure:

This subclass is indented under subclass 216.01. Subject matter including a constructional element (e.g., an edge or support framing or a seal) of a periphery of the roof panel.

217 Having associated air deflector or guide:

This subclass is indented under subclass 216. Subject matter having means either fixedly or movably related to said movable means to redirect the natural air flow which occurs in the vicinity of said movable means.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

1.1, for an air deflector associated with the roof of a vehicle and which may be located proximate an opening in said roof, said deflector being immovably secured to the roof to affect the vehicle's slip stream while the closure is either in its open or closed position.

218 Panel removable from roof:

This subclass is indented under subclass 216. Subject matter wherein the movable means may be removed from the vehicle.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

100.01+, for a means to cover a load carried by a vehicle, the cover may be flexible and it may be removable.

SEE OR SEARCH CLASS:

105, Railway Rolling Stock, subclasses 377.01+ for a freight car body having a movable cover.

219 Panel comprises hinged sections, or rollable or foldable material:

This subclass is indented under subclass 216. Subject matter wherein the movable means comprises (a) a plurality of members interconnected for relative movement, or (b) a material which may be flexed to a condition where certain portions substantially overlap.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

98, for a vehicle top which is flexible and a means upon which it may be rolled when not in use.

100.01+, for means to cover a load carried by a vehicle, the cover may be flexible and it may be removable.

220.01 Panels movable to overlapping or nested relation:

This subclass is indented under subclass 216.01. Subject matter wherein the movable means comprises a plurality of sections movable relatively so that one section is (a) positioned to overlay another or (b) confined at least partially within the boundaries of another.

SEE OR SEARCH CLASS:

160, Flexible or Portable Closure, Partition, or Panel, subclasses 130+ for plural strip, slat or panel closures.

221 Panel pivots upwardly to vent mode and moves downward before sliding to fully open mode:

This subclass is indented under subclass 216. Subject matter wherein the movable means is mounted whereby one end thereof may swing vertically to a position above said covering means where it will cause that air to be deflected away therefrom which would normally freely flow into said passenger compartment as the vehicle is moved, and said movable means is additionally mounted to move below the level of the covering means and then be slidable to a position where it presents no opposition to the free flow of light or air into the passenger compartment from the atmosphere above.

222 Panel slides with final closing motion having vertical component to attain closed and sealed condition:

This subclass is indented under subclass 216. Subject matter wherein the final portion of the movement of the movable means as it moves to its close position is closer to a vertical direction, if not vertical, than any of its prior direction of motion in the closing direction.

223 Panel having drive or actuating means:

This subclass is indented under subclass 216. Subject matter wherein a mechanically or manually actuated means is provided by means of which the movable means may be moved.

224 Panel latch means:

This subclass is indented under subclass 216. Subject matter having means by which the movable means may be secured against movement relative its supporting structure.

225 TOPS:

This subclass is indented under the class definition. Subject matter including a member that covers or forms the uppermost section of the land vehicle.

SEE OR SEARCH CLASS:

150, Purses, Wallets, and Protective Covers, subclasses 166+ for covering the vehicle bodies.

CROSS-REFERENCE ART COLLECTIONS**900 MATERIAL:**

Collection of art related to use of a particular material is a vehicle body or structure.

901 Plastic:

This subclass is indented under subclass 900. Collection of art in which the product material is plastic.

END